417



OIPE

RAW SEQUENCE LISTING DATE: 06/12/2002

PATENT APPLICATION: US/10/081,817 TIME: 11:25:27

Input Set : A:\00530-094001.TXT

Output Set: N:\CRF3\06122002\J081817.raw

ENTERED

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4 <110> APPLICANT: Polyak, Kornelia
     5
           Porter, Dale
           Sgroi, Dennis
  7 Krop, Ian
    9 <120> TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
    11 <130> FILE REFERENCE: 00530-094001
    13 <140> CURRENT APPLICATION NUMBER: 10/081,817
C--> 14 <141> CURRENT FILING DATE: 2002-05-31
    16 <150> PRIOR APPLICATION NUMBER: 60/270,973
    17 <151> PRIOR FILING DATE: 2001-02-23
    19 <150> PRIOR APPLICATION NUMBER: 60/351,908
    20 <151> PRIOR FILING DATE: 2002-01-25
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    33 1 5
                                    10 15
    34 Ser Ala Arg Ala Phe Leu Val Gly Ser Ala Lys Pro Val Ala Gln Pro
    35 .20
                                  25
    36 Val Ala Ala Leu Glu Ser Ala Ala Glu Ala Gly Ala Gly Thr Leu Ala
    37 35
                             40
    38 Asn Pro Leu Gly Thr Leu Asn Pro Leu Lys Leu Leu Leu Ser Ser Leu
    39 50 55
    40 Gly Ile Pro Val Asn His Leu Ile Glu Gly Ser Gln Lys Cys Val Ala
    41 65 70
                                        75
    42 Glu Leu Gly Pro Gln Ala Val Gly Ala Val Lys Ala Leu Lys Ala Leu
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    44 Leu Gly Ala Leu Thr Val Phe Gly
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    49 <212> TYPE: PRT
    50 <213> ORGANISM: Homo sapiens
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57 Leu Gly Thr Leu Asn Pro Leu Lys Leu Leu Ser Ser Leu Gly Ile

RAW SEQUENCE LISTING PATENT APPLICATION: US/10/081,817

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Input Set : A:\00530-094001.TXT
Output Set: N:\CRF3\06122002\J081817.raw

Output Set: N: (CRF) (00222	
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50 35 40 The Green Val. Ala Glu Leu	
58 35 40 59 Pro Val Asn His Leu Ile Glu Gly Ser Gln Lys Cys Val Ala Glu Leu 60 60	
55	
55 55 60 50 61 Gly Pro Gln Ala Val Gly Ala Val Lys Ala Leu Lys Ala Leu Leu Gly 80 75	
61 Gly Pro Gin Ala val Gly Ma 75	
62 65 70	
63 Ala Leu Thr Val Phe Gly	
64 85	
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75 ctgagcagec tgggcatece cgtgaaccac efcatagagg getecedada 375 76 gagctgggte eccaggecgt gggggccgtg aaggcectga aggcectget gggggccctg	312
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86 grading codyggoogs sacrets tagagaatte coadaaque	180
87 ctcctgctga gcagcctggg catccccgtg aaccacctca tagaggge cctgctgggg 88 gtggctgagc tgggtcccca ggccgtgggg gccgtgaagg ccctgaaggc cctgctgggg	240
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94 <213> ORGANISM: Mus musculus	
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96 <400> SEQUENCE: 5 97 Met Lys Leu Thr Thr Thr Phe Leu Val Leu Cys Val Ala Leu Leu Ser 10 15	
97 Met hys hea and 10	
98 1 99 Asp Ser Gly Val Ala Phe Phe Met Asp Ser Leu Ala Lys Pro Ala Val	
99 ASP SET 61, 122 25	
100 20 25 101 Glu Pro Val Ala Ala Leu Ala Pro Ala Ala Glu Ala Val Ala Gly Ala 101 Glu Pro Val Ala Ala Leu Ala Pro Ala Ala Glu Ala Gly Ala	
101 Glu Pro Val Ala Ala Beu Ala 40	
102 35 40 Leu Ala Ile Leu Arg Phe Ile Leu 103 Val Pro Ser Leu Pro Leu Ser His Leu Ala Ile Leu 60	
103 Val Pro Ser Leu Pro Leu Ser HIS Leu Ala 116	
104 50 555 105 Ala Ser Met Gly Ile Pro Leu Asp Pro Leu Ile Glu Gly Ser Arg Lys 75 80	
105 Ala Ser Met Gly Ile Pro Leu Asp Pro Leu Ile Glu GI	
100 6E 70 /5	
106 65 107 Cys Val Thr Glu Leu Gly Pro Glu Ala Val Gly Ala Val Lys Ser Leu 107 Cys Val Thr Glu Leu Gly Pro Glu Ala Val Gly Ala Val Lys Ser Leu 90 95	
108 Dhe Mot Phe GlV	
108 109 Leu Gly Val Leu Thr Met Phe Gly	
110 100	
112 <210> SEQ ID NO: 6	
113 <211> LENGTH: 85	
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RAW SEQUENCE LISTING

DATE: 06/12/2002 PATENT APPLICATION: US/10/081,817 TIME: 11:25:27

Input Set : A:\00530-094001.TXT Output Set: N:\CRF3\06122002\J081817.raw

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115 <213> ORGANISM: Mus musculus
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120 Ala Ala Leu Ala Pro Ala Ala Glu Ala Val Ala Gly Ala Val Pro Ser
               20
                                    25
122 Leu Pro Leu Ser His Leu Ala Ile Leu Arg Phe Ile Leu Ala Ser Met
           35
                                40
124 Gly Ile Pro Leu Asp Pro Leu Ile Glu Gly Ser Arg Lys Cys Val Thr
125
        50
                            55
126 Glu Leu Gly Pro Glu Ala Val Gly Ala Val Lys Ser Leu Leu Gly Val
                                            75
127 65
                        70
128 Leu Thr Met Phe Glv
129
131 <210> SEO ID NO: 7
132 <211> LENGTH: 312
133 <212> TYPE: DNA
134 <213> ORGANISM: Mus musculus
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138 getttettea tggaeteatt ggeeaageet geggtagaac eegtggeege eettgeteea
                                                                            120
139 gctgcagagg ctgtggcagg ggctgtgcct agcctaccat taagccactt ggccatcctg
                                                                            180
140 aggttcatcc tggccagcat gggcatccca ttggatcctc tcatagaggg atccaggaag
                                                                            240
                                                                            300
141 tgtgtcaccg agctgggccc tgaggctgta ggagctgtga agtcactgct gggggtcctg
142 acaatgttcg gt
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144 <210> SEO ID NO: 8
145 <211> LENGTH: 255
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149 <400> SEQUENCE: 8
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151 ccaqctqcaq aqqctqtqqc aqqqqctqtq cctaqcctac cattaaqcca cttqqccatc
                                                                            120
152 ctgaggttca tcctggccag catgggcatc ccattggatc ctctcataga gggatccagg
                                                                            180
153 aagtgtgtca ccgagctggg ccctgaggct gtaggagctg tgaagtcact gctgggggtc
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                                                                            255
154 ctgacaatgt tcggt
156 <210> SEQ ID NO: 9
157 <211> LENGTH: 23
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: primer
164 <400> SEQUENCE: 9
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167 <210> SEO ID NO: 10
168 <211> LENGTH: 22
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
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172 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 06/12/2002 TIME: 11:25:27 PATENT APPLICATION: US/10/081,817

Input Set: A:\00530-094001.TXT
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173 <223> OTHER INFORMATION: primer			
175 <400> SEQUENCE: 10			22
176 caaaactaac aaaacaaaac ca			
178 <210> SEQ ID NO: 11			
179 <211> LENGTH: 24			
100 -212 TYPE: DNA			
181 <213> ORGANISM: Artificial Sequence			
183 <220> FEATURE:			
184 <223> OTHER INFORMATION: primer			
186 <400> SEQUENCE: 11			24
187 gttaagagga agttttcgag gttc			24
189 <210> SEQ ID NO: 12			
190 <211> LENGTH: 24			
190 <2117 LENGTH: 24 191 <212> TYPE: DNA	•		
191 <2125 TIPE. DNA 192 <213> ORGANISM: Artificial Sequence			
192 <2137 OKGARISM: M2001 194 <220> FEATURE:			
195 <223> OTHER INFORMATION: primer			
195 <2235 OTHER INFORMATION F			24
197 <400> SEQUENCE: 12 198 ggtacgggtt tittacggtt cgtc			24
200 <210> SEQ ID NO: 13			
200 <210> SEQ 1D NO. 13 201 <211> LENGTH: 22			
201 <2115 LENGTH. 22 202 <2125 TYPE: DNA			
202 <212> TIPE: DNA 203 <213> ORGANISM: Artificial Sequence			
203 <213> ORGANISM. AICTITUTE			
205 <220> FEATURE: 206 <223> OTHER INFORMATION: primer			
206 <2235 OTHER INFORMATION 122 208 <400> SEQUENCE: 13			22
209 aacttettat accegatect cg			22
211 <210> SEQ ID NO: 14			
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214 <213> ORGANISM: Artificial Sequence			
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216 <2209 FEATORE: 217 <223> OTHER INFORMATION: primer			
217 <2235 OTHER TRICKMATE 2 219 <400> SEQUENCE: 14			24
220 gttaagagga agtttttgag gttt			24
220 gctaagagga agectes, 3 222 <210> SEQ ID NO: 15			
222 <2103 SEQ 1D NO. 13 223 <211> LENGTH: 24			
223 <211> HENGIN: 24 224 <212> TYPE: DNA			
224 <2125 TIPE: DNA 225 <213> ORGANISM: Artificial Sequence			
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228 <223> OTHER INFORMATION: primer			
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231 ggtatgggtt ttttatasset 15 233 <210> SEQ ID NO: 16			
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236 <213> ORGANISM: Artificial Sequence			
238 <220> FEATURE:			
239 <223> OTHER INFORMATION: primer			
LJJ NAZJY OLINDR			

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/081,817

DATE: 06/12/2002 TIME: 11:25:27

Input Set : A:\00530-094001.TXT
Output Set: N:\CRF3\06122002\J081817.raw

241 <400> SEQUENCE: 16	25
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245 <211> DENGTH: 22 246 <212> TYPE: DNA	
246 <212> TIPE: DNA 247 <213> ORGANISM: Artificial Sequence	
247 <213> ORGANISM: ALTITICIAL DOTATION	
249 <220> FEATURE:	
250 <223> OTHER INFORMATION: primer	
252 <400> SEQUENCE: 17	21
253 tttccctqct tccacactag C	
255 <210> SEQ ID NO: 18	
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ACT (212) TYPE: DNA	
257 (212) 11FB. DAM 258 (213) ORGANISM: Artificial Sequence	
260 <220> FEATURE:	
260 <220> FERTORD. 261 <223> OTHER INFORMATION: primer	
261 <2235 OTHER INFORMIZED 19	21
263 <400> SEQUENCE: 18	21
264 agattaagaa ggaattgacc t	
266 <210> SEQ ID NO: 19	
267 <211> LENGTH: 547	
268 <212> TYPE: DNA	
269 <213> ORGANISM: Homo sapiens	
271 /220> FEATURE:	
271 <220 NAME/KEY: misc_feature	
TOCATION: 186	
273 <2225 DOCKTOON = C or G 274 <223> OTHER INFORMATION: n = C or G	
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276 <400> SEQUENCE: 19 277 cggccgggga ggcgggg agtgaggcct gatcgtccct ggcgcctcca cctccccagg	120
277 cggccgggga ggcggcggg agtgaggcct gatcgtctct ggsgccggtgg ggatcagagg 278 cgcagaaggc gcccacgagg acceccagtg cccgacgttg ccacggtctg ggatcagagg	180
278 cgcagaaggc gcccacgagg acccccagtg cccgccctg cctggcgcg ggaagctccc 279 cagggaccag ggagccagg actgcgccgc cccgccctg cctggcgcg ggagccagac	240
279 cagggaccag ggagccagga actgcgccgc ccagccctgag gggggcgcgt ggggtcagac 280 tcaccngagg gaagctcccc tcacccggc cagccctgag gggggcgcgt ggggtcagac 280 tcaccngagg gaagctcccc tcacccggc cagccctgag caaagggcgg gcctgcctct	
280 cgcaaagcga aggtgcggg cggggtggg ctcgcctctagag gaaggccgg gcctgcctct	300
281 cqcaaaqcga aggtgcgggc cggggcgggs and accompang gcccgggcag ggaaqqqggc	360
282 ctcagagggc cccagegeet gecauguss and ccagggcacg geogtgageg	420
282 ctcagagggc cccagcgcct gccaagagga agtcctcgag gccagggcacg gccgtaagcg 283 acgggcttcc cagggcccgc cggccgcag aggaagttgg ccagggcacg gcgtgaagcg 284 gagcgggcag ggctttctca ggagcgcggg cgaggccgag cgaggccgagg cgaggaccg	480
284 gaggggcag ggetttetea ggagggggg cgaggggggg cgccgagggg ccccgagcc	540
284 gagegggeag ggetttetea ggagegeggg egaggeegge teccegegeg eccegageee 285 gtataagaag ectegtggee ttgeeeggge ageegeaggt teccegegeg	547
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290 <212> TYPE: DNA	
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291 <213 ORGANISM. MacCo	60
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296 ctaccattaa gccacttggc catcctgagy ttcatcgage tgggccctga ggctgtagga 297 gatcctctca tagatggttc caggaagtgc gtcaccgagc tgggccctga ggctgtagga	240
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298 gctgtgaagt cactgctggg ggccctgaca asyys	
300 <210> SEQ ID NO: 21	
301 <211> LENGTH: 93	
302 12	

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/081,817

DATE: 06/12/2002 TIME: 11:25:28

Input Set : A:\00530-094001.TXT Output Set: N:\CRF3\06122002\J081817.raw

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the (220) to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:19; N Pos. 186